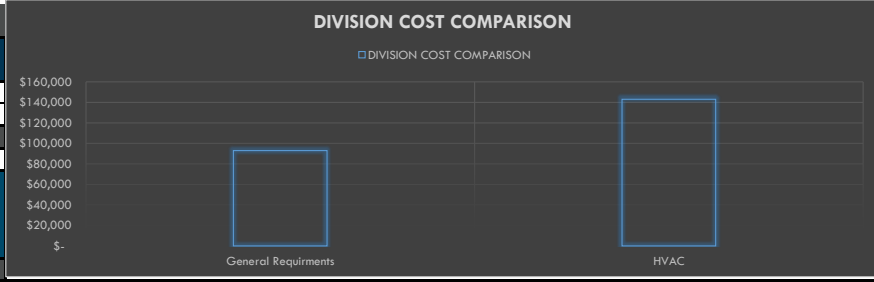


GENERAL SUMMARY

Prepared for:
 Project ID:
 Scope: GC
 No. Of Floors: 1
 Date: 16-Dec-23



BUILDING GSF		2,300	
DIVISION NO.	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirments	\$ 93,000	\$ 40.43
23000	HVAC	\$ 142,989	\$ 62.17
TOTAL TRADE COST		\$ 235,989	\$ 103
OVERHEAD AND PROFIT		\$ 23,599	\$ 10.26
INSURANCE	10%	\$ 7,080	\$ 3
CONTINGENCY	3%	\$ 11,799	\$ 5
TAX	5%	\$ 0	\$ 11
TOTAL TRADE COST		\$ 278,467	\$ 132



DETAILED BREAKDOWN OF ITEMS

Prepared for:
Project ID:
Scope: GC



Date: 16-Dec-23

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 3,500.00	\$ 3,500.00
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 43,000.00	\$ 43,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 29,000.00	\$ 29,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 8,500.00	\$ 8,500.00
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
												SUBTOTAL	\$ 93,000
HVAC													
COMBUSTION AIR INTAKE PIPE													
		Assumed	Steel										
8			6" Dia Combustion Air Intake Pipe	LF	27	5%	29	0.667	\$ 78.00	\$ 52.03	\$ 94.19	\$ 146.22	\$ 4,195.89
COMBUSTION AIR INTAKE PIPE FITTINGS													
			ELBOW										
9			6" Dia Combustion Air Intake Pipe	EA	6	0%	6	2.850	\$ 78.00	\$ 222.30	\$ 342.00	\$ 564.30	\$ 3,385.80
VENT FLUE PIPE													
		Assumed	Steel										
10			6" Dia Vent Flue Pipe	LF	27	5%	29	0.667	\$ 78.00	\$ 52.03	\$ 94.19	\$ 146.22	\$ 4,195.89
VENT FLUE PIPE FITTINGS													
			ELBOW										
11			6" Dia Vent Flue Pipe 90 Deg Elbow	EA	6	0%	6	2.850	\$ 78.00	\$ 222.30	\$ 342.00	\$ 564.30	\$ 3,385.80
CONDENSATE DRAIN PIPE													
		Assumed	Type "M" Copper Pipe										
12			3/4" Dia Condensate Drain Pipe	LF	98	5%	103	0.103	\$ 78.00	\$ 8.03	\$ 5.56	\$ 13.59	\$ 1,393.54
		Assumed	1/2" Thick Fiberglass Insulation										
13			3/4" Dia Condensate Drain Pipe	LF	98	5%	103	0.065	\$ 78.00	\$ 5.07	\$ 5.15	\$ 10.22	\$ 1,047.67
CONDENSATE DRAIN FITTINGS													
			ELBOW										
14			3/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	14	0%	14	0.421	\$ 78.00	\$ 32.84	\$ 6.51	\$ 39.35	\$ 550.87
AIR DEVICES													
15			A: Supply 4 Way Diffuser, METALAIRES NCA12, Size: 24X24, Duct Size: 12", Finish: White, Boot Size: 12", Opening Size: T-Bar Provide A 14" RND To 12" RND. Reducer For Connection To Flex Duct.	EA	13	0%	13	0.485	\$ 78.00	\$ 37.83	\$ 190.00	\$ 227.83	\$ 2,961.79
16			B: Supply 3 Way Diffuser, METALAIRES NCA12-3, Size: 24X24, Duct Size: 12", Finish: White, Boot Size: 12", Opening Size: T-Bar Provide A 14" RND To 12" RND. Reducer For Connection To Flex Duct.	EA	1	0%	1	0.485	\$ 78.00	\$ 37.83	\$ 181.35	\$ 219.18	\$ 219.18
17			C: Supply 2 Way Corner Diffuser, METALAIRES NCA12-2C, Size: 24X24, Duct Size: 12", Finish: White, Boot Size: 12", Opening Size: T-Bar Provide A 14" RND To 12" RND. Reducer For Connection To Flex Duct.	EA	3	0%	3	0.450	\$ 78.00	\$ 35.10	\$ 172.95	\$ 208.05	\$ 624.15
18			D: Supply 2 Way Parallel Diffuser, METALAIRES NCA12-2P, Size: 24X24, Duct Size: 12", Finish: White, Boot Size: 12", Opening Size: T-Bar Provide A 14" RND To 12" RND. Reducer For Connection To Flex Duct.	EA	3	0%	3	0.450	\$ 78.00	\$ 35.10	\$ 172.95	\$ 208.05	\$ 624.15

DETAILED BREAKDOWN OF ITEMS

Prepared for:
Project ID:
Scope: GC



Date: 16-Dec-23

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
26	M1, M2, M4 & P2		RTU-1: Roof Top Unit, CARRIER (7.5 TON) 48TCEA08A2A5, Type Of Heat: Natural Gas, Total Cooling Capacity: 80 MBTU/HOUR, Sensible Cooling Capacity: 65 MBTU/HOUR, Entering Air Conditions: 80/67 DEBT WBF, Ambient Air DB Temperature: 115 F, Supply Air: 3000 CFM, Outside Air: See Schedule, External Static Pressure: 0.75 "WG, B.H.P.: 2.9, E.E.R.: 11.0, Gas Heat Input: 120/180 MBTU/HOUR, Gas Heat Output: 98/148 MBTU/HOUR, Unit Weight / Curb: 1000 LBS, Electrical Requirement: 208-230/3/60 V/PHASE/HZ, Minimum Circuit Amperage: 39.5, Maximum Over Current Protection: 60, Curb Dimensions: 78" * 50" 1. 4 Year Extended Warranty On Compressors 2. Economizer With Barometric Relief. 3. Roof Curb. 4. Smoke Detector. See HVAC Roof Plan, Sheet M2. 5. Programmable Thermostat With Remote Sensors For Each Unit. 6. Provide Model #AG3180E Moisture Sensor By Aqua Guard In Primary Drain Pan. Field Install By Factory Installation Guide. 7. Integral Disconnect Switch 8. Integral Non-Powered GFI Receptacle	EA	1	0%	1	11.500	\$ 78.00	\$ 897.00	\$ 14,467.00	\$ 15,364.00	\$ 15,364.00
27			RTU-2: Roof Top Unit, CARRIER (8.5 TON) 48TCEA09A2A5, Type Of Heat: Natural Gas, Total Cooling Capacity: 89 MBTU/HOUR, Sensible Cooling Capacity: 75 MBTU/HOUR, Entering Air Conditions: 80/67 DEBT WBF, Ambient Air DB Temperature: 115 F, Supply Air: 3400 CFM, Outside Air: See Schedule, External Static Pressure: 0.75 "WG, B.H.P.: 2.4, E.E.R.: 11.0, Gas Heat Input: 120/180 MBTU/HOUR, Gas Heat Output: 98/148 MBTU/HOUR, Unit Weight / Curb: 1150 LBS, Electrical Requirements: 208-230/3/60 V/PHASE/HZ, Minimum Circuit Amperage: 45.1, Maximum Over Current Protection: 60, Curb Dimensions: 78" * 50" 1. 4 Year Extended Warranty On Compressors 2. Economizer With Barometric Relief. 3. Roof Curb. 4. Smoke Detector. See HVAC Roof Plan, Sheet M2. 5. Programmable Thermostat With Remote Sensors For Each Unit. 6. Provide Model #AG3180E Moisture Sensor By Aqua Guard In Primary Drain Pan. Field Install By Factory Installation Guide. 7. Integral Disconnect Switch 8. Integral Non-Powered GFI Receptacle	EA	1	0%	1	13.980	\$ 78.00	\$ 1,090.44	\$ 16,767.00	\$ 17,857.44	\$ 17,857.44

DETAILED BREAKDOWN OF ITEMS

Prepared for:
Project ID:
Scope: GC



Date: 16-Dec-23

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
28			RTU-3: Roof Top Unit, CARRIER (12.5 TON) 48TCE*14, Type Of Heat: Natural Gas, Total Cooling Capacity: 135 MBTU/HOUR, Sensible Cooling Capacity: 103 MBTU/HOUR, Entering Air Conditions: 80/67 DEBT WBF, Ambient Air DB Temperature: 115 F, Supply Air: 5000 CFM, Outside Air: See Schedule, External Static Pressure: 0.75 "WG, B.H.P.: 3.7, E.E.R.: 11.1, Gas Heat Input: 180/224 MBTU/HOUR, Gas Heat Output: 148/180 MBTU/HOUR, Unit Weight / Curb: 1160 LBS, Electrical Requirement: 208-230/3/60 V/PHASE/HZ, Minimum Circuit Amperage: 67, Maximum Over Current Protection: 80, Curb Dimensions: 78" * 50" 1. 4 Year Extended Warranty On Compressors 2. Economizer With Barometric Relief. 3. Roof Curb. 4. Smoke Detector. See HVAC Roof Plan, Sheet M2. 5. Programmable Thermostat With Remote Sensors For Each Unit. 6. Provide Model #AG3180E Moisture Sensor By Aqua Guard In Primary Drain Pan. Field Install By Factory Installation Guide. 7. Integral Disconnect Switch 8. Integral Non-Powered GFI Receptacle	EA	1	0%	1	15.140	\$ 78.00	\$ 1,180.92	\$ 18,867.00	\$ 20,047.92	\$ 20,047.92
			ROOF TOP UNIT ACCESSORIES										
29			3/4" Dia P-Trap	EA	3	0%	3	0.428	\$ 78.00	\$ 33.38	\$ 217.99	\$ 251.37	\$ 754.12
			ELECTRIC HEATER										
30			EH-1: Electric Heater, QMARK CWH-3508-DS, Mounting	EA	1	0%	1	1.240	\$ 78.00	\$ 96.72	\$ 570.96	\$ 667.68	\$ 667.68
			HOOD										
31			HOOD-1: Hood, 3347 FR-BD-2, Length: 11'-10", Max Cook	EA	1	0%	1	1.420	\$ 78.00	\$ 110.76	\$ 2,994.55	\$ 3,105.31	\$ 3,105.31
32			HOOD-2: Hood, 3044 FR-BD-2, Length: 4'-0", Max Cook	EA	1	0%	1	0.950	\$ 78.00	\$ 74.10	\$ 1,524.19	\$ 1,598.29	\$ 1,598.29
			CHICKEN HOOD DUCT DETAIL										
33			P1: FRANKE FOODSERVICE SYSTEMS DW1435DWL	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 1,500.00	\$ 1,671.60	\$ 1,671.60
34			P2: FRANKE FOODSERVICE SYSTEMS DW1447DWA	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 1,188.00	\$ 1,359.60	\$ 1,359.60
35			P3 Assembled W/P4: FRANKE FOODSERVICE SYSTEM	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 900.00	\$ 1,071.60	\$ 1,071.60
36			P4 Assembled W/P3: DW2314TPDBEX, CFM: 1992, Weigh	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 900.00	\$ 1,071.60	\$ 1,071.60
37			Seal Duct Joints: 3M-2000PLUS, SP: -1.225, Weight: 0.80,	EA	1	0%	1	1.200	\$ 78.00	\$ 93.60	\$ 355.00	\$ 448.60	\$ 448.60
			POTATO HOOD DUCT DETAIL										
38			P1: FRANKE FOODSERVICE SYSTEMS DW1035DWL	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 1,500.00	\$ 1,671.60	\$ 1,671.60
39			P2: FRANKE FOODSERVICE SYSTEMS DW1027DWA	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 1,188.00	\$ 1,359.60	\$ 1,359.60
40			P3 Assembled W/P4: FRANKE FOODSERVICE SYSTEM	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 900.00	\$ 1,071.60	\$ 1,071.60
41			P4 Assembled W/P3: DW1910TPDBEX, CFM: 600, Weigh	EA	1	0%	1	2.200	\$ 78.00	\$ 171.60	\$ 900.00	\$ 1,071.60	\$ 1,071.60
42			Seal Duct Joints: 3M-2000PLUS, SP: -0.399, Weight: 0.80,	EA	1	0%	1	1.200	\$ 78.00	\$ 93.60	\$ 355.00	\$ 448.60	\$ 448.60
			FAN										
43			HEF-1: Hood Exhaust Fan, FRANKE FR—DU85HFA, CF	EA	1	0%	1	0.788	\$ 78.00	\$ 61.46	\$ 901.99	\$ 963.45	\$ 963.45
44			HEF-2: Hood Exhaust Fan, FRANKE FR-DU33HFA, CFM	EA	1	0%	1	0.725	\$ 78.00	\$ 56.55	\$ 863.48	\$ 920.03	\$ 920.03
45			EF-1 Exhaust Fan: FRANKE FR-DR12HFA, CFM: 225, S	EA	1	0%	1	0.695	\$ 78.00	\$ 54.21	\$ 630.00	\$ 684.21	\$ 684.21
			DAMPERS										
46			6" Dia Volume Damper	EA	2	0%	2	0.456	\$ 78.00	\$ 35.57	\$ 256.78	\$ 292.35	\$ 584.70
47			8" Dia Volume Damper	EA	7	0%	7	0.475	\$ 78.00	\$ 37.05	\$ 270.00	\$ 307.05	\$ 2,149.35
48			10" Dia Volume Damper	EA	13	0%	13	0.489	\$ 78.00	\$ 38.14	\$ 303.92	\$ 342.06	\$ 4,446.81

DETAILED BREAKDOWN OF ITEMS

Prepared for:
Project ID:
Scope: GC



Date: 16-Dec-23

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
49			10"x14" Volume Damper	EA	1	0%	1	0.520	\$ 78.00	\$ 40.56	\$ 211.65	\$ 252.21	\$ 252.21
50			12" Dia Volume Damper	EA	7	0%	7	0.428	\$ 78.00	\$ 33.38	\$ 336.39	\$ 369.77	\$ 2,588.42
51			14" Dia Volume Damper	EA	3	0%	3	0.435	\$ 78.00	\$ 33.93	\$ 365.99	\$ 399.92	\$ 1,199.76
52			10"x10" Backdraft Damper	EA	1	0%	1	0.450	\$ 78.00	\$ 35.10	\$ 86.08	\$ 121.18	\$ 121.18
			DUCT WEIGHT										
53			Galvanized Sheet Metal Duct	LB	2242	5%	2354	0.038	\$ 78.00	\$ 2.96	\$ 4.10	\$ 7.06	\$ 16,626.73
			DUCT INSULATION										
54			2" Thick Fiberglass Insulation, 3/4" LB Density, Blanket Insulation W/ Foil Backing Andul Labeled, OWENS-CORNING FRK25	SF	1888	5%	1982	0.022	\$ 78.00	\$ 1.72	\$ 3.16	\$ 4.88	\$ 9,666.40
			MISCELLANEOUS										
55		Supplied By K.E.S/ Installed By G.C	Cooler/Freezer Condensing Unit	EA	2	0%	2	4.895	\$ 78.00	\$ 381.81	\$ -	\$ 381.81	\$ 763.62
56			Ice Machine Condensing Unit	EA	2	0%	2	1.255	\$ 78.00	\$ 97.89	\$ -	\$ 97.89	\$ 195.78
57			Audio/Visual Annunciator	EA	3	0%	3	0.525	\$ 78.00	\$ 40.95	\$ 410.10	\$ 451.05	\$ 1,353.15
58			Concentric Vent	EA	2	0%	2	0.485	\$ 78.00	\$ 37.83	\$ 90.99	\$ 128.82	\$ 257.64
59			Programmable Thermostat W/ Locking Cover	EA	3	0%	3	0.512	\$ 78.00	\$ 39.94	\$ 180.00	\$ 219.94	\$ 659.81
60			Remote Sensor	EA	3	0%	3	0.396	\$ 78.00	\$ 30.89	\$ 139.00	\$ 169.89	\$ 509.66
61			Smoke Detector	EA	3	0%	3	0.325	\$ 78.00	\$ 25.35	\$ 68.00	\$ 93.35	\$ 280.05
			PIPE SUPPORTS										
62			3/4" Dia Adjustable Clevis Hanger	EA	16	0%	16						
63			6" Dia Adjustable Clevis Hanger	EA	4	0%	4						
64			3/8" Dia Threaded Rod (1 Each = 1 Feet)	EA	16	0%	16	0.050	\$ 78.00	\$ 3.90	\$ 4.77	\$ 8.67	\$ 138.72
65			5/8" Dia Threaded Rod (1 Each = 1 Feet)	EA	4	0%	4	0.055	\$ 78.00	\$ 4.29	\$ 6.22	\$ 10.51	\$ 42.04
			DUCT SUPPORTS										
66			3/8" Threaded Rod	EA	96	0%	96	0.050	\$ 78.00	\$ 3.90	\$ 4.77	\$ 8.67	\$ 832.32
67			1" x 22 Ga. Strap	EA	48	0%	48	0.160	\$ 78.00	\$ 12.48	\$ 2.64	\$ 15.12	\$ 725.76
												SUBTOTAL	\$ 142,989
												PROJECTED COST	\$235,989
OVERHEAD AND PROFIT												10%	\$23,599
INSURANCE												3%	\$7,080
CONTINGENCY												5%	\$11,799
TAX												10%	\$0
SUGGESTED BID													\$278,467